



ABSTRACT

A current switching circuit has greatly reduced charge injection effects with the introduction of a mirror path to mirror the switch path. The mirror path comprises a complementary switch and a pulling amplifier, e.g., a pull-down amplifier for a source current switching circuit, or a pull-up amplifier for a sink current switch circuit. The pulling amplifier mirrors the status of an output path of a current source, e.g., a transistor current source, such that when the current source is switched ON or OFF, the switching process with respect to the load, e.g., a load capacitor, is smooth and provides a clean current waveform due to greatly reduced charge injection.

5

10

CA

RECEIVED
JUN 18 2001
TC 2800 MAIL ROOM